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(54) MANUFACTURING METHOD OF NEW FUNCTIONAL SALT AND DEVELOPMENT OF USE THEREOF

(57) Abstract:

PURPOSE: A manufacturing method of new functional salt and development of use thereof are provided to have the effects of decreasing blood pressure and antibiosis by stirring salt and α -chitosan after dissolving salt to be 20–23% of the saturated solution.

CONSTITUTION: New functional salt contains 0.1–5% of chitosan dissolved in a salt solution and chitosan is dried and crystallized. α -chitosan is gained from shells of crab and shrimp and β -chitosan is gained from squids. The molecular weight of the chitosan is 1,000–1,000,000 MW for proper adhesive capacity with a chloride ion of salt. The content of the chitosan is 0.05–10%, particularly, 0.5–5%.

The chitosan is dissolved in water or an organic solution and mixed with salt to make a chitosan salt solution. For making 1% of the chitosan salt solution, 20–23% of natural salt is dissolved and stirred with 1% of the chitosan solution for 30–90 minutes. The chitosan salt solution is spray-dried or concentration-dried to recrystallized the salt having the chitosan.

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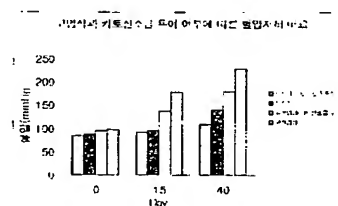
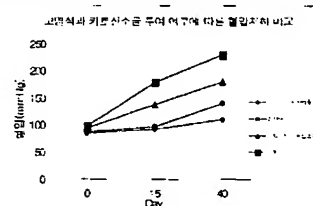
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